

Precalculus prerequisites.

Name _____

All these should ring a bell. Fill in the result, if possible, and leave it blank if not.
Expected score: 100%. These are actually prerequisites for College Algebra, a full course below this one. If you do not get 100%, you are behind and should memorize these.

The circumference of a circle is

The area of a circle is

The area of a square is

The perimeter of a square is

The volume of a cube is

$$(x + a)^2 =$$

$$(x + a)(x + b) =$$

$$x^2 - 9 =$$

$$x^2 + 9 =$$

$$\frac{a}{\left(\frac{b}{c}\right)} =$$

$$\frac{\left(\frac{a}{b}\right)}{c} =$$

$$\frac{a}{b} + \frac{c}{d} =$$

$$x^2 + a^2 =$$

$$x^2 - a^2 =$$

$$\sqrt{x^2 + a^2} =$$

$$\text{Factor: } x^2 + 4x - 12 =$$